ELSEVIER

Thin Solid Films 342 (1999) 319–320

thin solid films

Author index of Volume 342

Ahaitouf, A., 136
Akkerman, Z.L., 180
Atanassov, G., 83

Baba, A., 108
Bath, A., 136
Bernède, J.C., 317
Beserman, R., 318
Bhat, K.N., 20
Bhatt, H.D., 214
Bläsing, J., 127
Böni, P., 188
Borisova, L.A., 180
Brehme, S., 167
Brown, I.G., 100
Brugge, A., 342. 266
Bruynseraede, Y., 174

Chan, K.-Y., 142
Chang, Y.H., 15
Chao, B.S., 1
Chen, C.H., 35
Chen, X., 61
Chi, N., 142
Chiu, C.M., 15
Chung, C.K., 184
Cohen, K., 318
Contractor, A.Q., 270
Cruz, G.J., 119

Dacenko, O.I., 230
Dai, Y.S., 83
De Caro, L., 153
de Groot, D.G., 174
Delplancke-Ogletree, M.-P., 100
Desu, S.B., 214
Dettmer, K., 312
Dhanabalan, A., 270
Diesing, D., 282
Drüsedau, T., 127

Ekedahl, L.-G., 297
Eriksson, M., 297
Erlandsson, R., 297

Fenga, C.-M., 30
Fenske, F., 167
Ferrara, M.C., 153
Flodström, A., 74
Flórez, J.M., 160
Fralick, G.C., 214
Franzheld, R., 113
Fu,. J K., 83
Fuchs, H., 307
Fuhs, W., 167

Gabrielli, G., 277
Gea, H.-L., 30
Gerhardt, M., 113
Girardeau, T., 93
Goldberg, F., 67
Gómez, M., 148
Gordillo, G., 160
Gorodesky, G., 11
Gottschalch, V., 113
Granqvist, C.G., 148
Griessen, R., 174
Guillemenet, J., 52

Harry, E., 207
Hassel, A.W., 282
Hayashi, S., 249
Helmersson, U., 297
Hong, C.Y., 184
Hsieh, C., 238

Ignatiev, A., 61

Jácome, C., 160
Jiaoa, Z.-K., 30
Jiménez-Sandoval, S., 1
Ju, Y.H., 238
Juliet, P., 207

Kang, T.W., 184
Karel, F., 262
Karlsson, U., 74
Kawai, T., 4
Kelder, E.M., 35
Kim, H.-J., 201
Kim, T.W., 184
Kirpal, G., 113
Kitagawa, T., 249
Klabunde, F., 127
Knystautas, É.J., 67
Koeman, N., 174
Kopf, H., 307
Koretskaya, T.P., 180
Koschinski, W., 312
Kreiter, M.J.S., 244
Kume, T., 249
Kweon, Y.-G., 201

Lelj, F., 277
Li, H., 291
Lignou, F., 93
Lindquist, S.-E., 148
Liu, C.J., 238
Liu, Z.-J., 42
Löhmann, M., 127
Lohrengel, M.M., 282
López-López. S., 1
Lu, X., 291

Makara, V.A., 230
Martini, G., 277
Marsillac, S., 317
Masel, R., 221
Matsuda, H., 108
Meléndez-Lira, M., 1
Menzel, D., 312
Mittler-Neher, S., 244
Miyai, T., 108
Mogilaynski, D., 11
Monteiro, O.R., 100
Morales, J., 119

Nakaya, T., 8
Nasser, S.A., 47
Nebauer, E., 167
Nemirovsky, Y., 318
Nomura, R., 108
Nubile, P., 257

Odarych, V.A., 230
Okada, K., 8
Olayo, R., 119
Olsson, L., 297
O'Neill, J.P., 194
Oswald, J., 262

Paez, B., 160
Pastrňák, J., 262
Pauleau, Y., 207
Pelleg, J., 11
Petříček, O., 262
Phillips, D.L., 142
Pichon, L., 93
Poschenrieder, M., 167

Remashan, K., 20
Ricceri, R., 277
Ricciardi, G., 277
Ritums, D.L., 61
Roche, A.A., 52
Rodríguez, J., 148
Rouzaud, A., 207
Rozenberg, E., 11

Salokatve, A., 262
Schoenes, J., 312
Schoonman, J., 35
Schurr, M., 342. 266
Seidel, C., 307
Seidl, M., 342. 266
Sekiguchi, Y., 249
Selle, B., 167
Semmelhack, H.C., 113
Shembekar, V.R., 270

0040-6090/99/$ - see front matter © 1999 Elsevier Science S.A. All rights reserved.
PII: S0040-6090(99)00189-3

Sieber, I., 167
Somekh, R., 11
Steger, R., 221
Stolyarova, S., 318
Straboni, A., 93

Tabata, H., 4
Talwar, S.S., 270
Tanaka, H., 4
Tang, M.-R., 30
Temst, K., 174
Tixier, S., 188
Turlo, J., 83

Vakulenko, O.V., 230
Van Bael, M.J., 174
Van Haesendonck, C., 174
Van Swygenhoven, H., 188
Vedula, R., 214
Veit, P., 127
Voevodin, A.A., 194
Voit, H., 342. 266

Wan, Y.-Z., 42
Wang, J., 291
Wang, J.-T., 42
Wang, L., 291
Wang, Y.-F., 8
Weil, R., 318
Wen, S., 291
Wu, N.J., 61

Yea, G.-X., 30
Yu, Z., 74

Zabinski, J.S., 194
Zhang, D.W., 42
Zhang, J.-Y., 42

ELSEVIER

Thin Solid Films 342 (1999) 321–325

thin solid films

Subject Index of Volume 342

Adhesion
Adhesion and failure mechanisms of tungsten–carbon containing multilayer and graded coatings subjected to scratch tests, 207
Agglomeration
Morphology changes of thin Pd films grown on SiO_2: influence of adsorbates and temperature, 297
Aluminium oxide films
Aluminium oxide tunnel junctions: influence of preparation technique, sample geometry and oxide thickness, 282
Aluminum complexes
Yellow organic electroluminescent device based on novel thiophene Al complex as an emitting layer, 8
Amorphous carbon
Tungsten-containing amorphous carbon films deposited by pulsed vacuum arc, 100
Amorphous hydrogenated silicon
Structural investigations on ultrathin Mo layers in a-Si:H with emphasis on the island–continuous layer transition, 127
Antireflection coatings
Analytical design of antireflection coatings for silicon photovoltaic devices, 257
Arsenic
Effects of organic As-precursors on the incorporation of In and Ga into (GaIn)As films grown by metal-organic vapor-phase epitaxy, 113
Atomic force microscopy
Probing the surface forces of atomic layered $SrTiO_3$ films by atomic force microscopy, 4
Mechanical, optical and structural properties of TiO_2 and MgF_2 thin films deposited by plasma ion assisted deposition, 83
Structure and microtribological behavior of Teflon and Teflon/Si_3N_4 micro-assembling film, 291
Auger electron spectroscopy
Enhancement of TiC/stainless steel interfaces by N^+-implantation, 184
Azobenzenes
Study of mixed system in monolayers and multilayers transferred by Langmuir–Blodgett technique, 270

Carbides
Thin film TiC/TaC thermocouples, 214
Cathodes
Pulsed laser deposition of conducting porous La-Sr-Co-O films, 61
Charge coupled detector
In situ photoluminescence characterization of porous silicon formation, 142
Chemical vapor deposition
Electrostatic sol-spray deposition (ESSD) and characterisation of nanostructured TiO_2 thin films, 35
Phase diagrams for CVD diamond deposition from halogen-containing gas phase, 42
Influence of oxygen and nitrogen on the growth of hot-filament chemical vapor deposited diamond films, 74
Growth of spinel zinc thioindionate thin film by single-source MOCVD, 108
Chemical vapour etching
Chemical vapor etching of copper using oxygen and 1,1,1,5,5,5-hexafluoro-2,4-pentanedione, 221
Coatings
Elastic modulus of plasma-sprayed coatings determined by indentation and bend tests, 201
Composites
Tribological performance and tribochemistry of nanocrystalline WC/amorphous diamond-like carbon composites, 194
Conversion rate of organic coatings
Mechanical and chemical properties of organic coatings applied to metallic sheet substrates, 52
Copper
Chemical vapor etching of copper using oxygen and 1,1,1,5,5,5-hexafluoro-2,4-pentanedione, 221
Copper-oxide thin films prepared from Langmuir–Blodgett films, 266
Current density
Yellow organic electroluminescent device based on novel thiophene Al complex as an emitting layer, 8

Deposition process
Growth behavior and surface morphology of Ag rough thin films deposited on silicone oil surfaces, 20
Electrostatic sol-spray deposition (ESSD) and characterisation of nanostructured TiO_2 thin films, 30
Diamond
Electrostatic sol-spray deposition (ESSD) and characterisation of nanostructured TiO_2 thin films, 35
Phase diagrams for CVD diamond deposition from halogen-containing gas phase, 42
Diamond-like carbon
Tribological performance and tribochemistry of nanocrystalline WC/amorphous diamond-like carbon composites, 194
Diamond films
Influence of oxygen and nitrogen on the growth of hot-filament chemical vapor deposited diamond films, 74
Dielectric properties
Scanning photothermal beam deflection- and scanning photothermal displacement-imaging of polymer channel waveguides: a comparison, 244

0040-6090/99/$ - see front matter © 1999 Elsevier Science S.A. All rights reserved.
PII: S0040-6090(99)000190-X

Diffusion
An X-ray diffraction study of interface roughness and diffusion in Ag/Pd superlattices, 174
The surface reaction and diffusion of NO_2 in lead phthalocyanine thin film, 238
β-Diketone
Yellow organic electroluminescent device based on novel thiophene Al complex as an emitting layer, 8
Dipping method
Characteristics and sensing properties of dipped $La_{0.8}Sr_{0.2}Co_{1-x}Ni_xO_{3-\delta}$ film for CO gas sensors, 15
DMe-DCNQI
Low-energy electron diffraction, Scanning tunneling microscopy, and X-ray photoemission spectroscopy investigations of DMe-DCNQI on Cu(110), 307
Dye sensitization
Photoelectrochemical studies of dye-sensitizedpolycrystalline titanium oxide thin films prepared by sputtering, 148

Elastic Properties
Elastic modulus of plasma-sprayed coatings determined by indentation and bend tests, 201
Electrical conductivity
Characterization of boron-doped tin oxide thin films, 47
Electrical properties and measurements
Characterization of SnO_2 thin films through thermoelectric power measurements, 160
Free-carrier plasma resonance effects and electron transport in reactively sputtered degenerate ZnO:Al films, 167
Ellipticity
Ellipsometric studies of porous silicon, 230

Figure of merit
Characterization of boron-doped tin oxide thin films, 47
Films
Electrostatic sol-spray deposition (ESSD) and characterisation of nanostructured TiO_2 thin films, 35
Phase diagrams for CVD diamond deposition from halogen-containing gas phase, 42
Gallium
Effects of organic As-precursors on the incorporation of In and Ga into (GaIn)As films grown by metal-organic vapor-phase epitaxy, 113
Gallium arsenide
Effects of octa decyl thiol (ODT) treatment on the gallium arsenide surface and interface state density, 15
Study of single and double Si δ-doped GaAs layers by spectral photoconductivity measurements, 262
Friction force microscopy
Structure and microtribological behavior of Teflon and Teflon/Si_3N_4 micro-assembling film, 291

Gas sensor
Characteristics and sensing properties of dipped $La_{0.8}Sr_{0.2}Co_{1-x}Ni_xO_{3-\delta}$ film for CO gas sensors, 15
The surface reaction and diffusion of NO_2 in lead phthalocyanine thin film, 238
Growth mechanism
Electroepitaxy: the control of the kinetics and morphology of InSb, 180

H-aggregates
Study of mixed system in monolayers and multilayers transferred by Langmuir–Blodgett technique, 270
Halogens
Electrostatic sol-spray deposition (ESSD) and characterisation of nanostructured TiO_2 thin films, 35
Phase diagrams for CVD diamond deposition from halogen-containing gas phase, 42
Hard coating
Tribological performance and tribochemistry of nanocrystalline WC/amorphous diamond-like carbon composites, 194
Hardness
Hardness enhancement of sputtered Ni_3Al/Ni multilayers, 188

Impedance spectroscopy
Aluminium oxide tunnel junctions: influence of preparation technique, sample geometry and oxide thickness, 282
Index of absorption
Ellipsometric studies of porous silicon, 230
Index of refraction
Ellipsometric studies of porous silicon, 230
Indium
Growth of spinel zinc thioindionate thin film by single-source MOCVD, 108
Effects of organic As-precursors on the incorporation of In and Ga into (GaIn)As films grown by metal-organic vapor-phase epitaxy, 113
Indium antimonide
Electroepitaxy: the control of the kinetics and morphology of InSb, 180
Indium phosphide
Electrical and gated photoluminescence intensity studies on Schottky and oxidized Schottky structures, 136
Infrared spectroscopy
Free-carrier plasma resonance effects and electron transport in reactively sputtered degenerate ZnO:Al films, 167
Interfaces
An X-ray diffraction study of interface roughness and diffusion in Ag/Pd superlattices, 174
Ion bombardment
Mechanical, optical and structural properties of TiO_2 and MgF_2 thin films deposited by plasma ion assisted deposition, 83
Ion implantation
Enhancement of TiC/stainless steel interfaces by N^+-implantation, 184
Ion irradiation
The effects of ion irradiation on NiTi shape memory alloy thin films, 67

Langmuir–Blodgett (LB) films
Copper-oxide thin films prepared from Langmuir–Blodgett films, 266
Study of mixed system in monolayers and multilayers transferred by Langmuir–Blodgett technique, 270
Monolayers and Langmuir–Blodgett films of a palladium(ii)-tetraazaporphyrin, 277
Laser ablation
Pulsed laser deposition of conducting porous La-Sr-Co-O films, 61
Laser irradiation

Scanning photothermal beam deflection- and scanning photothermal displacement-imaging of polymer channel waveguides: a comparison, 244
Lead phthalocyanine
The surface reaction and diffusion of NO_2 in lead phthalocyanine thin film, 238
Liquid phase electroepitaxy
Electroepitaxy: the control of the kinetics and morphology of InSb, 180
Low-energy electron diffraction
Low-energy electron diffraction, Scanning tunneling microscopy, and X-ray photoemission spectroscopy investigations of DMe-DCNQI on Cu(110), 307

Magnetic properties and measurements
Structural and magnetoresistive properties of sputtered co/cu multilayers in the vicinity of the first maximum of magnetoresistance, 11
Magnetic structures
Structural and magnetoresistive properties of sputtered co/cu multilayers in the vicinity of the first maximum of magnetoresistance, 11
Metal-organic vapour phase epitaxy
Effects of organic As-precursors on the incorporation of In and Ga into (GaIn)As films grown by metal-organic vapor-phase epitaxy, 113
Molecular beam epitaxy
Study of single and double Si δ-doped GaAs layers by spectral photoconductivity measurements, 262
Molybdenum
Structural investigations on ultrathin Mo layers in a-Si:H with emphasis on the island–continuous layer transition, 127
Monolayers
Monolayers and Langmuir–Blodgett films of a palladium(ii)-tetraazaporphyrin, 277
Multilayers
Structural and magnetoresistive properties of sputtered co/cu multilayers in the vicinity of the first maximum of magnetoresistance, 11
Hardness enhancement of sputtered Ni_3Al/Ni multilayers, 188
Adhesion and failure mechanisms of tungsten–carbon containing multilayer and graded coatings subjected to scratch tests, 207
Enhanced-Raman scattering from organic thin films in an attenuated total reflection geometry mediated by half-leaky guided modes, 249
Multilayer polymer
Structure and microtribological behavior of Teflon and Teflon/Si_3N_4 micro-assembling film, 291
Multiple quantum well
Photoconductivity of Si/Ge Buffers, superlattices, and multiple quantum wells, 312

Nickel
Hardness enhancement of sputtered Ni_3Al/Ni multilayers, 188
NiTi
The effects of ion irradiation on NiTi shape memory alloy thin films, 67

Optical energy gap
Characterization of boron-doped tin oxide thin films, 47
Optical inhomogeneity
Simple method for the determination of optical parameters of inhomogeneous thin films, 153
Optical properties
Simple method for the determination of optical parameters of inhomogeneous thin films, 153
Scanning photothermal beam deflection- and scanning photothermal displacement-imaging of polymer channel waveguides: a comparison, 244
Monolayers and Langmuir–Blodgett films of a palladium(ii)-tetraazaporphyrin, 277
Optical spectroscopy
Enhanced-Raman scattering from organic thin films in an attenuated total reflection geometry mediated by half-leaky guided modes, 249
Organic eletroluminescent devices
Yellow organic electroluminescent device based on novel thiophene Al complex as an emitting layer, 8
Organic substances
Enhanced-Raman scattering from organic thin films in an attenuated total reflection geometry mediated by half-leaky guided modes, 249
Oxides
Pulsed laser deposition of conducting porous La-Sr-Co-O films, 61
Copper-oxide thin films prepared from Langmuir–Blodgett films, 266

Pallidium
Morphology changes of thin Pd films grown on SiO_2: influence of adsorbates and temperature, 297
Perovskites
Probing the surface forces of atomic layered $SrTiO_3$ films by atomic force microscopy, 4
Perovskite phase
Characteristics and sensing properties of dipped $La_{0.8}Sr_{0.2}Co_{1-x}Ni_xO_{3-\delta}$ film for CO gas sensors, 15
Phase transitions
Electrostatic sol-spray deposition (ESSD) and characterisation of nanostructured TiO_2 thin films, 30
Photoconductivity
Study of single and double Si δ-doped GaAs layers by spectral photoconductivity measurements, 262
Photoconductivity of Si/Ge Buffers, superlattices, and multiple quantum wells, 312
Photoluminescence bright yellow colour
Yellow organic electroluminescent device based on novel thiophene Al complex as an emitting layer, 8
Photoluminescence
In situ photoluminescence characterization of porous silicon formation, 142
Photoluminescence intensity
Electrical and gated photoluminescence intensity studies on Schottky and oxidized Schottky structures, 136
Plasma enhanced chemical vapour deposition
Structural investigations on ultrathin Mo layers in a-Si:H with emphasis on the island–continuous layer transition, 127

Plasma polymerization
Films obtained by plasma polymerization of pyrrole, 119
Plasma processing and deposition
Elastic modulus of plasma-sprayed coatings determined by indentation and bend tests, 201
Polycrystalline
Photoelectrochemical studies of dye-sensitizedpolycrystalline titanium oxide thin films prepared by sputtering, 148
Polymers
Scanning photothermal beam deflection- and scanning photothermal displacement-imaging of polymer channel waveguides: a comparison, 244
Porous silicon
Ellipsometric studies of porous silicon, 230
Principal angle-of-incidence
Ellipsometric studies of porous silicon, 230
Pulsed vacuum arc deposition
Tungsten-containing amorphous carbon films deposited by pulsed vacuum arc, 100
Pyrrole
Films obtained by plasma polymerization of pyrrole, 119

Raman scattering
Enhanced-Raman scattering from organic thin films in an attenuated total reflection geometry mediated by half-leaky guided modes, 249
Residual stress
Mechanical and chemical properties of organic coatings applied to metallic sheet substrates, 52
Roughness
In situ photoluminescence characterization of porous silicon formation, 142

Scanning electron microscopy
Growth behavior and surface morphology of Ag rough thin films deposited on silicone oil surfaces, 20
Scanning tunneling microscopy
Low-energy electron diffraction, Scanning tunneling microscopy, and X-ray photoemission spectroscopy investigations of DMe-DCNQI on Cu(110), 307
Scattering mechanism
Characterization of SnO_2 thin films through thermoelectric power measurements, 160
Schottky structures
Electrical and gated photoluminescence intensity studies on Schottky and oxidized Schottky structures, 136
Seebeck coefficient
Thin film TiC/TaC thermocouples, 214
Semiconductors
On the properties of $Cu_XC_{1-X}Te$: a novel semiconductor alloy, 1
Sensitivity
Characteristics and sensing properties of dipped $La_{0.8}Sr_{0.2}Co_{1-x}Ni_xO_{3-\delta}$ film for CO gas sensors, 15
Shape memory alloys
The effects of ion irradiation on NiTi shape memory alloy thin films, 67
Silicon/Germanium buffer
Photoconductivity of Si/Ge Buffers, superlattices, and multiple quantum wells, 312
Silicon compound
Ellipsometric studies of porous silicon, 230
Silicon nitride
Effects of octa decyl thiol (ODT) treatment on the gallium arsenide surface and interface state density, 15
Silicon oxide
Electrostatic sol-spray deposition (ESSD) and characterisation of nanostructured TiO_2 thin films, 30
Morphology changes of thin Pd films grown on SiO_2: influence of adsorbates and temperature, 297
Silicon solar cells
Analytical design of antireflection coatings for silicon photovoltaic devices, 257
Silicon wafer
In situ photoluminescence characterization of porous silicon formation, 142
Solid oxide fuel cell
Pulsed laser deposition of conducting porous La-Sr-Co-O films, 61
Spectral photometric analysis
Simple method for the determination of optical parameters of inhomogeneous thin films, 153
Sputter deposition
Structural investigations on ultrathin Mo layers in a-Si:H with emphasis on the island–continuous layer transition, 127
Sputtering
On the properties of $Cu_XC_{1-X}Te$: a novel semiconductor alloy, 1
Growth behavior and surface morphology of Ag rough thin films deposited on silicone oil surfaces, 20
Evidence of ω-phase in ion beam sputtered zirconium thin films, 93
Steel
Enhancement of TiC/stainless steel interfaces by N^+-implantation, 184
Strained layer superlattice
Photoconductivity of Si/Ge Buffers, superlattices, and multiple quantum wells, 312
Stress
Mechanical, optical and structural properties of TiO_2 and MgF_2 thin films deposited by plasma ion assisted deposition, 83
Structural properties
Free-carrier plasma resonance effects and electron transport in reactively sputtered degenerate ZnO:Al films, 167
Hardness enhancement of sputtered Ni_3Al/Ni multilayers, 188
Sulfide
Growth of spinel zinc thioindionate thin film by single-source MOCVD, 108
Superlattices
An X-ray diffraction study of interface roughness and diffusion in Ag/Pd superlattices, 174
Surface and interface states
Effects of octa decyl thiol (ODT) treatment on the gallium arsenide surface and interface state density, 15
Surface forces
Probing the surface forces of atomic layered $SrTiO_3$ films by atomic force microscopy, 4
Surface morphology
Growth behavior and surface morphology of Ag rough thin films deposited on silicone oil surfaces, 20

Electroepitaxy: the control of the kinetics and morphology of InSb, 180

Tetraazaporphyrin
Monolayers and Langmuir–Blodgett films of a palladium(ii)-tetraazaporphyrin, 277
Texturized solar cells
Analytical design of antireflection coatings for silicon photovoltaic devices, 257
Thermoelectric power
Characterization of SnO_2 thin films through thermoelectric power measurements, 160
Thin films
On the properties of $Cu_XC_{1-X}Te$: a novel semiconductor alloy, 1
Thin film thermocouples
Thin film TiC/TaC thermocouples, 214
Tin oxide
Characterization of SnO_2 thin films through thermoelectric power measurements, 160
Titanium carbide
Thin film TiC/TaC thermocouples, 214
Titanium oxide
Electrostatic sol-spray deposition (ESSD) and characterisation of nanostructured TiO_2 thin films, 30
Titanium oxide thin film
Photoelectrochemical studies of dye-sensitizedpolycrystalline titanium oxide thin films prepared by sputtering, 148
Transients
Aluminium oxide tunnel junctions: influence of preparation technique, sample geometry and oxide thickness, 282
Tribology
Tribological performance and tribochemistry of nanocrystalline WC/amorphous diamond-like carbon composites, 194
Tungsten
Tungsten-containing amorphous carbon films deposited by pulsed vacuum arc, 100
Adhesion and failure mechanisms of tungsten–carbon containing multilayer and graded coatings subjected to scratch tests, 207
Tungsten carbide
Tribological performance and tribochemistry of nanocrystalline WC/amorphous diamond-like carbon composites, 194
Tunnel junctions
Aluminium oxide tunnel junctions: influence of preparation technique, sample geometry and oxide thickness, 282

X-ray absorption
Evidence of ω-phase in ion beam sputtered zirconium thin films, 93
X-ray diffraction
Structural and magnetoresistive properties of sputtered Co/Cu multilayers in the vicinity of the first maximum of magnetoresistance, 11
Evidence of ω-phase in ion beam sputtered zirconium thin films, 93
An X-ray diffraction study of interface roughness and diffusion in Ag/Pd superlattices, 174
X-ray methods
Structural investigations on ultrathin Mo layers in a-Si:H with emphasis on the island–continuous layer transition, 127
X-ray photoelectron spectroscopy (XPS)
Effects of octa decyl thiol (ODT) treatment on the gallium arsenide surface and interface state density, 15
Low-energy electron diffraction, Scanning tunneling microscopy, and X-ray photoemission spectroscopy investigations of DMe-DCNQI on Cu(110), 307

Young's modulus
Mechanical and chemical properties of organic coatings applied to metallic sheet substrates, 52

Zinc
Growth of spinel zinc thioindionate thin film by single-source MOCVD, 108
Zinc oxide
Free-carrier plasma resonance effects and electron transport in reactively sputtered degenerate ZnO:Al films, 167
Zirconium
Evidence of ω-phase in ion beam sputtered zirconium thin films, 93